



18TH WCNDT

DURBAN · SOUTH AFRICA · 2012

World Conference on Non Destructive Testing

ACOUSTIC AND ELECTROMAGNETIC WAVES - THE LIFELOOD OF NDT



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

18TH WORLD CONFERENCE ON NON DESTRUCTIVE TESTING

16 - 20 April 2012

INTERNATIONAL CONVENTION CENTRE DURBAN, SOUTH AFRICA

www.wcndt2012.org.za



THEME - NDT IN SERVICE OF SOCIETY -
in safety assurance, quality control and condition monitoring.



AN INVITATION FROM THE 18TH WCNDT 2012 PRESIDENT

For the first time in history the World Conference on Non-Destructive Testing will be hosted in Africa. For South Africa it is a real honour to invite you to participate in this memorable event.

Come and share with Africa the NDT technology and skills at your disposal. By doing so, new doors will be opened and new friendships and ventures will be formed, so that our world can become a safer place.

On behalf of the South African Institute for NDT (SAINT) and the International Committee for NDT (ICNDT) I extend this invitation to the international NDT community. We are looking forward to welcoming you to Durban, South Africa, in 2012.

Manfred Johannes
President of the 18th WCNDT
President - SAINT



CONFERENCE VENUE, ACCOMMODATION AND TRANSFERS

The Durban International Convention Centre (ICC), Africa's leading convention centre, will host the event. Situated in the heart of this bustling city, the ICC is close to a number of hotels and is 30 minutes away from King Shaka International Airport. Special accommodation and airport transfer rates will be available to conference delegates, details of which will be published on the website from March 2011.

CONFERENCE OVERVIEW AND THEMES

GENERAL

Training and certification
Regulation/standardisation
Design for inspection
Flaw sizing and probability of detection (POD)

NDT IN AFRICA

APPLICATION AREAS OF NDT

Transport
Civil structures, concrete
Mining
Power generation
Chemical/Petrochemical industry
Steel industry
Wood and pulp industry
Archaeology, art works
Security, surveillance

MATERIALS CHARACTERISATION

Composites, polymers, ceramics
Micro-systems Microstructure
Corrosion Bonds

CONDITION MONITORING

Diagnosis and prognosis
Structural and machine health monitoring
Computational intelligence in monitoring
Process monitoring and control
Reliability and quality

NDT TECHNIQUES, R&D

Eddy current Magnetic
Optical Dye penetrant
Radiography Thermography
Terahertz NDE Microwaves
Ultrasonics fundamentals Guided waves
Non-contact ultrasonics Phased arrays
Non-linear ultrasonics Acoustic emission
TOFD Modelling
Signal processing and imaging
New and novel applications of NDT techniques

WORKSHOPS

NDT for Regulators
Advanced Imaging Techniques
NDT basics

MINI-SYMPOSIA

Offers from individuals or organisations to run mini-symposia on specific topics to be accommodated within the programme of the Conference will be considered.

PUBLICATION OF THE PROCEEDINGS

Authors will be invited to submit electronic files of their papers for inclusion in the Conference Proceedings, which will be provided on a CD at the Conference. They will also be made available online after the conference. Information on the length and format of papers will be posted on the Conference website.

TECHNICAL TOURS

Several optional tours are being planned.

SPONSORSHIP AND EXHIBITION

Various sponsorship packages are available and can be viewed on the conference website.

An exhibition, showcasing all NDT and industry related organisations and companies, will run concurrently with the conference. All luncheons and tea breaks will take place within the exhibition hall, assuring exhibitors of ample opportunities to interact with the conference delegates.

SOCIAL PROGRAMME

A full social programme is being compiled, which will ensure that all delegates have the maximum opportunity to develop their own professional networks, renew contacts and have discussions.

LOCAL ORGANISING COMMITTEE

Manfred Johannes (President)
Hugh Neeson (Chairman)
Robin Marshall (Admin Secretary)

FINANCIAL COMMITTEE

Johan Gerber
Ralph Davies

MARKETING AND SALES COMMITTEE

Butch Davies (Chairman)
Claire Bowie (Marketing Coordinator)
Marco Gonzales
Greg Williams

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INTERNATIONAL ADVISORY COMMITTEE

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R Bruce Thompson - USA	Kwaku A Danso-Ghana
Vladimir Klyuev - Russia	Ferid Herelli - Tunisia

IMPORTANT DATES

Conference registration and submission of abstracts - March 2011. Conference fees will also be published at this time.
Deadline for abstract submission - 15 October 2011
Notification of abstract acceptance - by 15 November 2011.
Preliminary programme - January 2012
Full manuscript submission deadline - 31 January 2012

STRUCTURE OF CONFERENCE

- Invited Plenary talks on a variety of topics
- Parallel sessions
- Poster sessions
- Exhibition of NDT equipment and services
- A one-day session devoted to AFRA 5th African NDT Conference is intended

CONTACT INFORMATION

Conference and Exhibition Secretariat:

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Image courtesy of Philipp P Egli

Koeberg Nuclear Power Station - Cape Town, South Africa